

# AIR QUALITY IN CLARK COUNTY A REFLECTION / A VISION





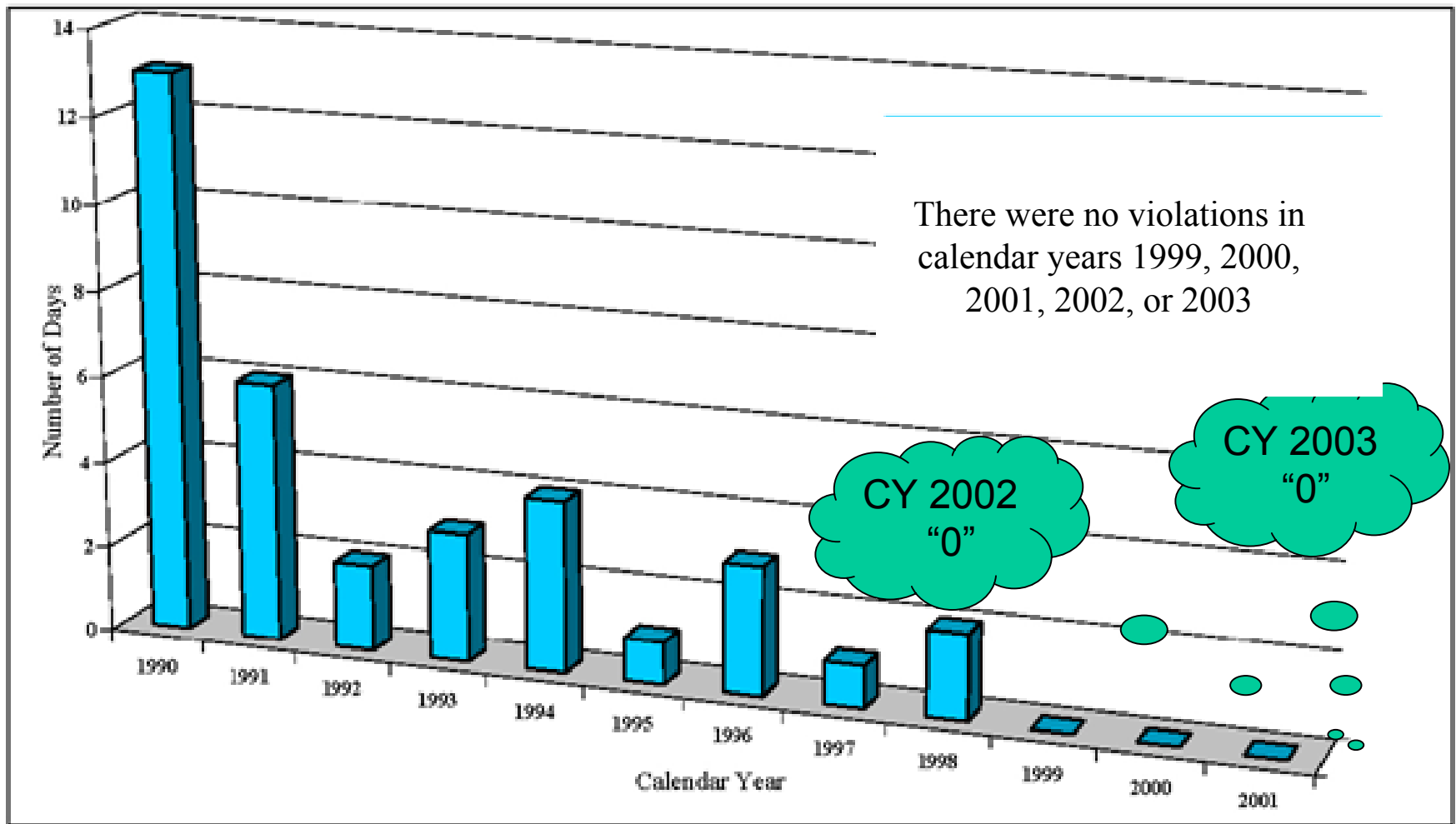
# THE YEAR 2003

## “IN REVIEW”

In January, the EPA  
proposed approval of  
the CO and PM<sub>10</sub>  
Plans



# Major success continues on the CO front



# In February, the EPA's Jeff Holmstead praised the County's efforts

## Aliante serves as model for dust control measures

### *EPA officials tour development site*

SPECIAL TO REAL ESTATE

Aliante, a master-planned community under development in North Las Vegas, was the site of a tour last month for representatives of the Environmental Protection Agency, Clark County and the Southern Nevada Home Builders Association. The purpose was to show how Aliante's developer, North Valley Enterprises, has implemented the county's proposed dust mitiga-

North Valley Enterprises is an affiliate of American Nevada Co. and Del Webb Communities Inc.

Five home builders are developing neighborhoods within the 1,905-acre community that will comprise a primary village and an adult village. About 7,500 homes will be built.

Del Webb is developing the age-qualified Sun City Aliante village. All homes are single-story, ranging from 1,155 to

The Courts, will feature attached homes.

D.R. Horton's sales office hours are from 10 a.m. to 5 p.m. daily except Monday, when it opens at 1 p.m.

KB Home is developing three San Destin series neighborhoods. Each features single- and two-story floor plans.

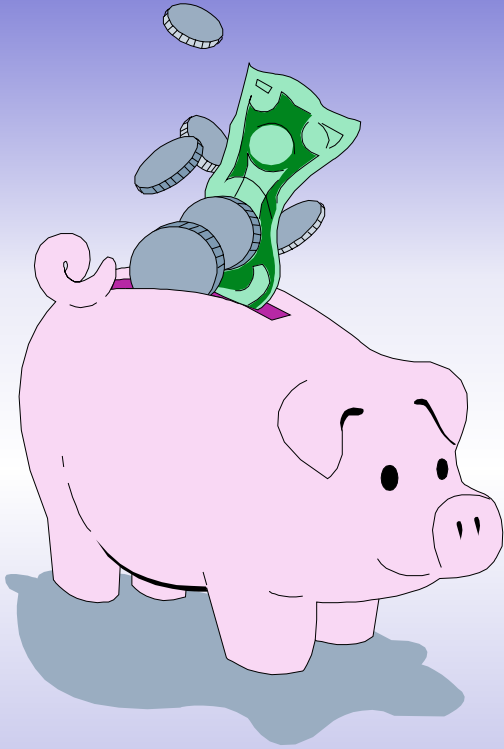
Homes in Ravello measure from 1,231 to 1,947 square feet and are priced from the \$140,000s to the \$160,000s; floor plans in Tivoli range from 1,717 to 2,546 square feet, with options as large as 3,000 square feet, and are



The Monitoring Section continued to excel in the EPA's yearly performance audit



In March, the Legislature  
approved SB237



Over 20 years the  
Transportation Plan will  
provide \$2.7 billion and  
bring millions to air quality  
programs

# Planning & Special Projects

- **New road shoulder gravel test method**
- **PM<sub>10</sub> modeling for expansion of BLM disposal boundary**
- **Smog test effectiveness study**
- **Inventory of non-road engines**
- **Annual paved road sampling for PM<sub>10</sub> SIP**
- **Disturbed vacant land & unpaved roads study**
- **Memorandum of Understanding for APEX**



Monitoring upgraded CO monitors to  
more reliable instrumentation

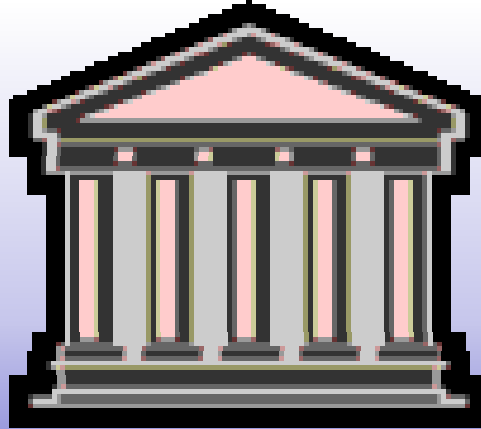


And began work to realign the  
monitoring network to conform to the  
National Ambient Air Monitoring  
Strategy

Air Quality Regulations Amendments:  
Sections 0, 11, 12, 26, 30, 34, 49, 52, 58, 59, 90,  
91, 92, 93



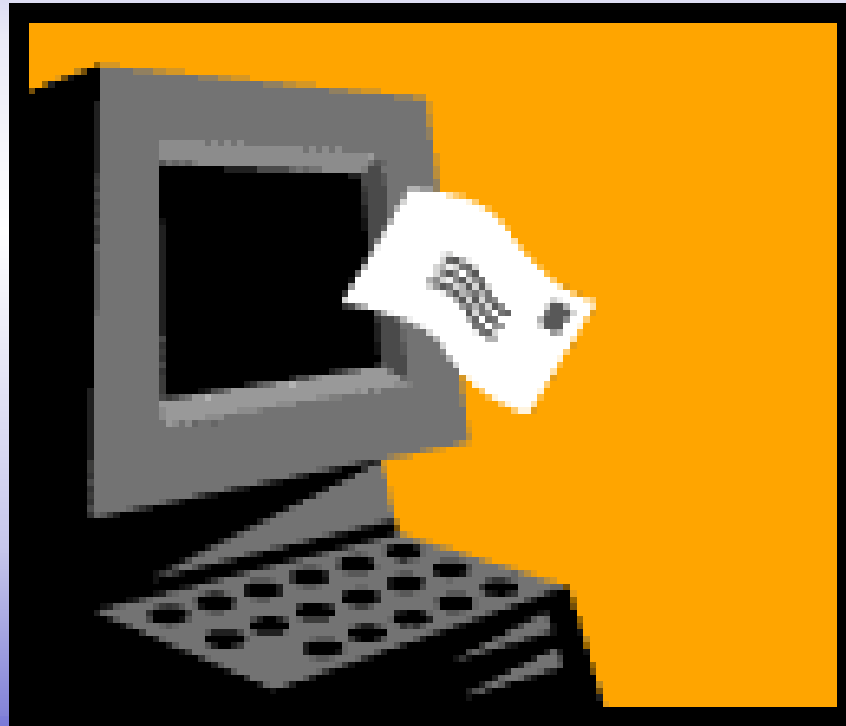
# New and improved ERC Program to encourage the Federal ERC Program



# Compliance personnel are using new equipment

- **More digital cameras**
- **A GPS locating device**
- **GIS technology**
- **A new H<sub>2</sub>S meter**
- **A prototype handheld GIS device**

Billing has become a more efficient  
automated process



# The Small Business Assistance Program is up and running



Some folks just can't smell the “roses”

# Pact resolves odor issues for pig farm, county

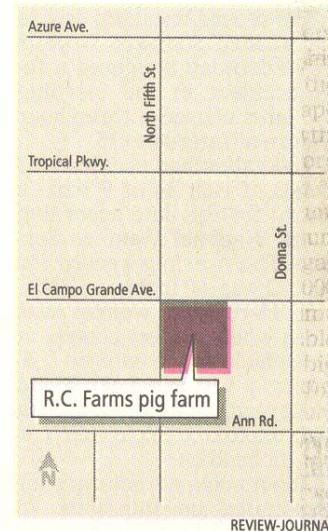
*Accord calls for improved cleaning to reduce stench*

By JULIET V. CASEY

REVIEW-JOURNAL

North Las Vegas pig farmers and Clark County air quality officials have resolved their differences over the swine stink that had nose-pinching residents filing odor nuisance complaints.

Robert Combs, who has run R.C. Farms in North Las Vegas for more than 40 years,





# CONTROLLING DUST



Anita Gutierrez Sanders performs a drop-ball test to determine if proper dust-control measures have been taken by a property owner. Sanders routinely inspects businesses and construction sites throughout the valley as part of her job for Clark County's Air Quality Management department. A story appears in tomorrow's Real Estate section.

HALI BERNSTEIN SAYLOR/REAL ESTATE



# We improved public participation

**Public hearings moved from the Government  
Center out into the communities and are held  
during evening hours**

# NEAP

## **Natural Events Action Plan**

- **Early proactive enforcement actions to reduce particulate matter during natural events**
- **Public education about the harmful effects of particulate matter**
- **Public notification to enable the general public and at-risk individuals to minimize their exposure to particulate matter when air quality is or will be affected by high-wind natural events**

# Natural Events Action Plan



## Clark County Department of Air Quality Management



### Dust Storms & Your Health

**"What Everyone Should  
Know"**

**"Protecting the Air We Share"**

## Dust Storm Summary

*Why is dust a public health issue?*

- Increases breathing problems.
- Deepens lung issues.
- Aggravates existing health problems.

*What is the concern about particulate matter (PM) and natural events?*

The Clark County Department of Air Quality Management is required to develop a plan to protect public health. The plan is called a Natural Events Action Plan (NEAP).

- As described in this document dust can cause a negative health impact. Not all sources of dust are caused by humans or can be controlled. When high winds occur, we all need to be aware of the potential health impacts and how to avoid exposure.

*What is Clark County doing as part of the Natural Events Action Plan?*

- Establishing public notification and education programs designed to educate the public about the short-term and long-term harmful effects that high concentrations of PM<sub>10</sub> could have on public health.
- Minimizing public exposure to high levels of PM<sub>10</sub> using notification and health advisory programs.
- Taking actions needed to reduce particulate matter (when and where) possible during natural events.

For more information visit our website at: [www.aqdm.clarkcountynv.com](http://www.aqdm.clarkcountynv.com)

A monitoring link at this website tells you about current air quality conditions in your neighborhood. Below is the Air Quality Index (AQI) used to rate air quality.

**GOOD**

**MODERATE**

**UNHEALTHY FOR  
SENSITIVE GROUPS**

**UNHEALTHY**

**VERY UNHEALTHY**



# News Release

Public Communications ■ 500 S. Grand Central Parkway, 6<sup>th</sup> Fl., Las Vegas, NV 89155-1111 ■ Fax: (702) 455-3558

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**For Immediate Release**

**Tuesday, April 1, 2003**

## Air Quality Advisory

Strong Winds Expected This Afternoon, Much of Wednesday

# DAQM met and talked to the public at many events this year

- Red, White and Boom
- Henderson Parade
- Belz mall “Back-to-School”
- Clark County Health Fair
- Desert Demonstration Gardens “Day with the Experts”
- Eco-Jam
- No. Las Vegas “Back-to-School”
- Timet Forum in Henderson
- RTC Century Ride
- RTC Bike Party in the Park

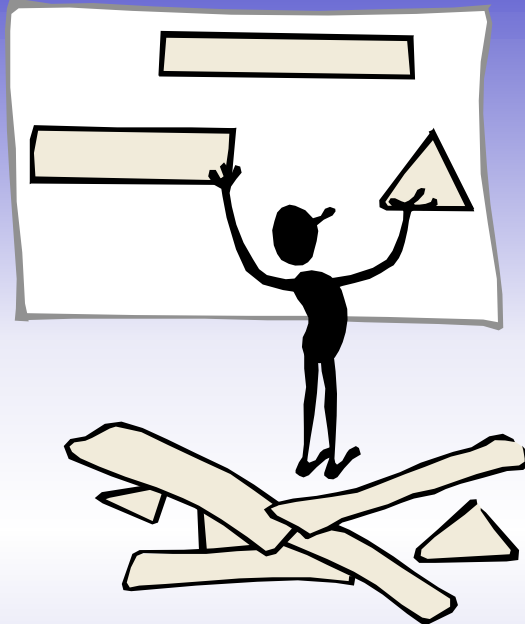
# Websites have been redesigned to be “User-friendly”

[www.accessclarkcounty.com/airquality](http://www.accessclarkcounty.com/airquality)



# **A few statistics**

<b>7</b>	<b>Initial Title V Permits issued this year</b>
<b>956</b>	<b>Stationary Source periodic reports reviewed</b>
<b>328</b>	<b>Gasoline station performance tests witnessed</b>
<b>156</b>	<b>Unannounced gas station inspections conducted</b>
<b>207</b>	<b>NOV's issued</b>
<b>2231</b>	<b>Vacant land inspections conducted</b>
<b>3045</b>	<b>Dust control permits issued</b>
<b>10,000</b>	<b>Construction industry personnel attended dust</b>
<b>\$5,854,102</b>	<b>class since its inception</b>
	<b>Dollars in revenue collected</b>



# OUR PLANS FOR 2004

# PM<sub>10</sub> SIP



- **Federal Register Notice: January 22, 2003**
- **End of Public Comment Period: Feb. 21, 2003**
- **EPA Staff has reviewed public comments**
- **Final approval anticipated in 2004**



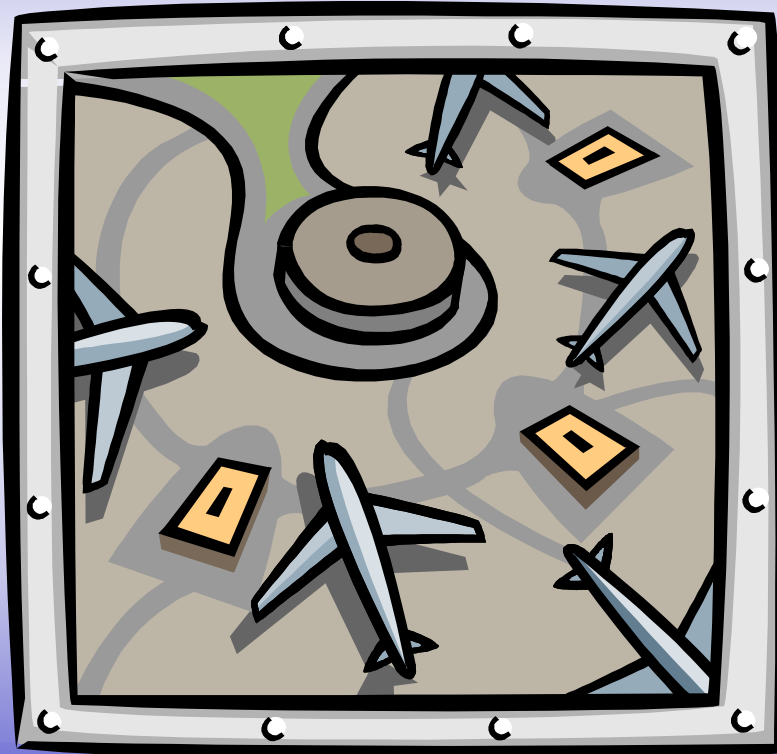
# CO SIP



- **Federal Register Notice: January 28, 2003**
- **End of Public Comment Period: Feb. 27, 2003**
- **EPA Staff has reviewed public comments**
- **Final approval anticipated in 2004**
- **Carbon Monoxide Maintenance Plan is in development**

# IVANPAH VALLEY

## Clean Air Plan



- **Proactively working to keep the Ivanpah valley in attainment while allowing development of the new airport the community to proceed.**
- **Initial modeling is underway**
- **A Clean Air Plan will be drafted in 2004**

# OZONE STUDIES

**EPA promulgated a new 8-hour Ozone Standard**



**Preliminary data indicates Clark County may not be in attainment for Ozone after averaging data from 2001 through 2003**

**Designation of nonattainment applies to all of Clark County, not only the Las Vegas Valley**

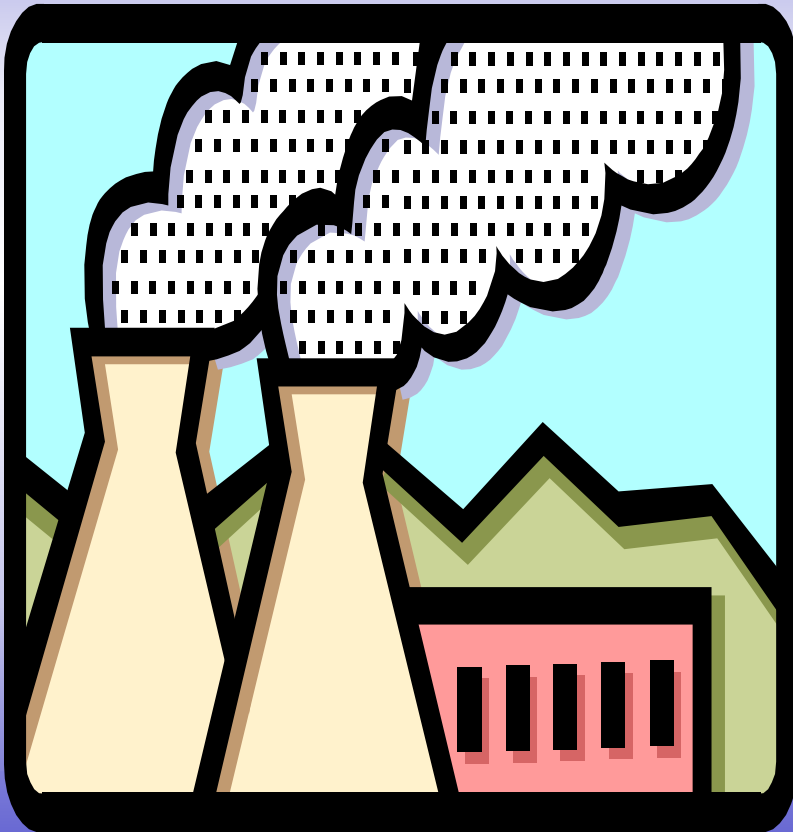
**We have proactively begun studies to determine the sources and identify strategies to address Ozone formation in Clark County**

# REGULATION REWRITES



- **DAQM will continue to upgrade and rewrite the Air Quality Regulations**
- **Highlights**
  - **Sect 18 Fees**
  - **Sect 52 Gas Stations**
  - **Sect 9 Civil Penalties**
  - **Sect 4 Control Officer**
  - **Sect 7 Hearing Board procedures**

# NSR REFORM



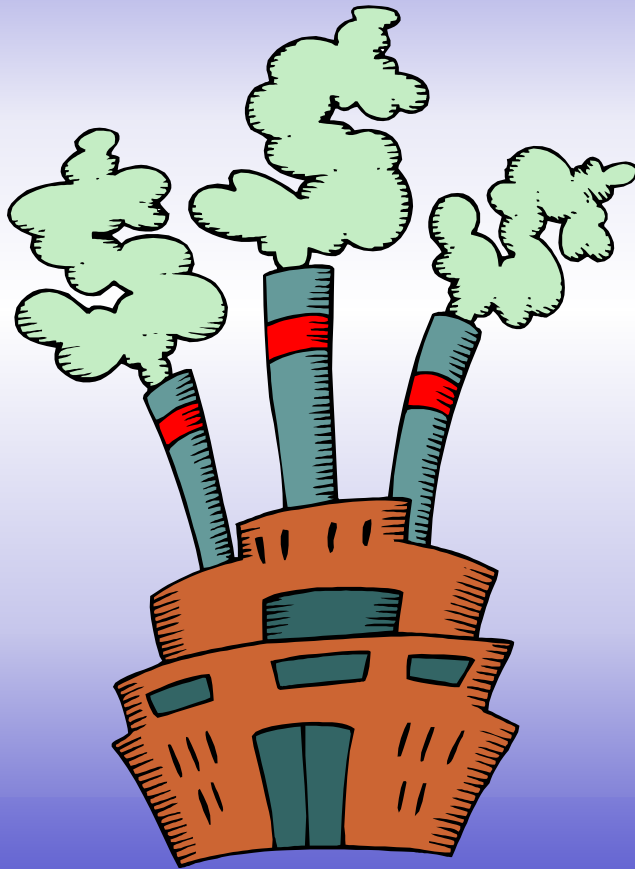
- New EPA permitting requirements
- DAQM will draft language in 2004
- Public workshops in 2005
- Submittal to EPA of draft regulation revisions in 2005

# HAZE



- Desert Research Institute to determine the amount, and sources of Urban Haze
- Identify potential control measures to reduce the haze-forming substances

# ERC PROGRAM



- **A new ERC Register database has been developed and is being utilized**
- **Section 58 (Federal ERCs) and Section 59 (Offsets) amendments await EPA comments and approval**
- **Outstanding Offset assessments are being resolved (Local program)**

# PUBLIC OUTREACH



- **DAQM will continue a campaign to inform Valley residents about the hazards of PM<sub>10</sub> & PM<sub>2.5</sub>**
- **A Speakers Bureau is in development**
- **A 2-part School Outreach Program is in development**
- **The DAQM website will be upgraded to include interactive elements**



# REGULATED COMMUNITY FEEDBACK



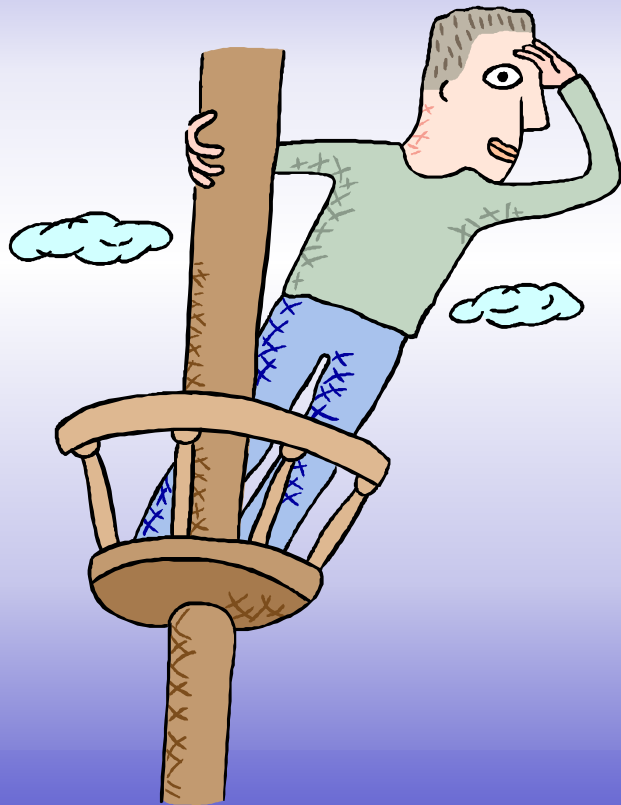
- **DAQM will continue to host workshops and forums to meet the needs of the regulated community**
- **Increased information to permittees on control technologies**
- **Partner with industry through professional organizations**

# IT STRATEGIC PLAN



- **Select and begin implementation of a DAQM Integrated Database System.**
- **Expand support to encompass departmental growth and infrastructure efforts associated with physical relocation.**
- **Initiate Document Imaging Initiative.**
- **Enhance the utilization of the Web technology for external and internal Departmental business**

# LONG-TERM ENVIRONMENTAL MASTER PLAN



- **Combining Environmental Planning with DAQM to form an Environmental Management Department**
- **The re-organization will allow for a multi-media approach to planning**